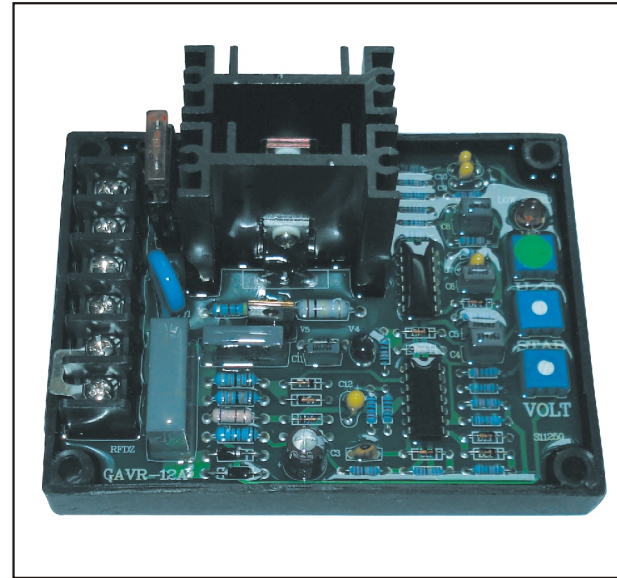


GAVR-12A

Universal 7 Amp 1/2 Wave Self Excited
Dip-Switch Programmable Automatic
Voltage Regulator

Features

- $\pm 1\%$ Regulation
- 220/440 VAC Programmable Input
- Rugged Compact Design
- With Under Frequency Protection
- Soft Start Voltage Ramping
- EMI Suppression
- Built-in High Capacity 10Amp Fuse



Specifications

Sensing Input Voltage	180~260VAC, 1phase2wire	Voltage Build-up	Residual volts at AVR terminal > 5VAC
Power Input Voltage	180~260VAC, 1phase2wire	External Volts Adjustment	$\pm 7\%$ with 1K Ω 1 watt trimmer
Output Voltage	Max. 90VDC @ 240VAC input	Soft Start Ramp Time	2sec.
Output Current	Continuous 4A Intermittent 7A for 10SEE.	Unit Power Dissipation	Max. 8Watt
Resistance	Min. 12 Ω Max. 100 Ω	EMI Suppression	Internal Electromagnetic Interference Filtering
		Thermal Drift	0.03% per $^{\circ}\text{C}$ change in AVR ambient
		Under Frequency Protection (Factory Settings)	60Hz system presets knee point at 55Hz 50Hz system presets knee point at 45Hz

Volts Regulation $\pm 1\%$ (with 4% engine governing)

Environment

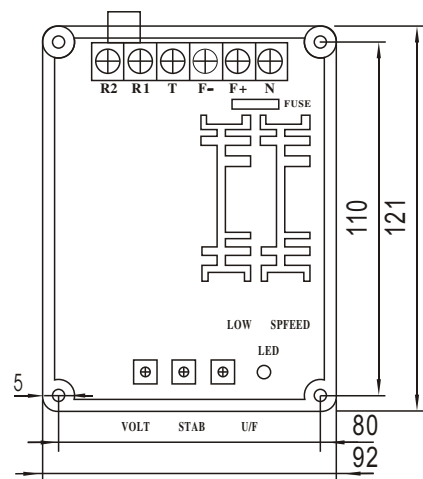
Vibration 3G @ 100~2K Hz

Relative Humidity <math>< 95\%</math>

Operating Temperature -40~65 $^{\circ}\text{C}$

Storage Temperature -40~85 $^{\circ}\text{C}$

Mechanical Specifications



AVR Controls

- Volts** Voltage Adjustment
- STAB** Stability Adjustment
- U/F** To Set the U/F *Knee Point
- *U/F: Under Frequency Protection

Physical Specifications

Dimensions 121.0(L) 92.0(W) 60.0(H) mm

